



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

BACHMANN *et al.*

Appl. No. 10/622,124

Filed: July 18, 2003

For: **Ghrelin-Carrier Conjugates**

Art Unit: *To be assigned*

Examiner: *To be assigned*

Atty. Docket: 1700.0340001/BJD/SJE

**Information Disclosure Statement**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98. A copy of documents **AL1** to **AM3**, and **AR1** to **AR80** is provided.

Copies of documents **AA1** to **AJ2** are not provided in accordance with the U.S. Patent and Trademark Office pre-OG notice of July 11, 2003, which states "[t]he Office hereby waives the requirement under 37 CFR 1.98 (a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication for all U.S. national patent applications filed after June 30, 2003."

In accordance with 37 C.F.R. § 1.98(a)(3), Applicants' undersigned representative submits the following, in regards to non-English language document **AT37** cited on Form PTO 1449:

Document **AT37**, Kozlovskaya, T.M., *et al.*, "Formation of capsid-like structures as a result of the expression of a cloned envelope protein gene from RNA-containing bacteriophage fr," *Dokl. Akad. Nauk. SSSR* 287:452-455 (1986), is in the Russian language. An unverified English language abstract (from STNEasy/CAlplus) is attached as Document **AR38**.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the

effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered. This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist.

This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits. No statement or fee is required.

It is respectfully requested that the Examiner initial and return a copy of the enclosed PTO-1449, and to indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Brian J. Del Buono  
Attorney for Applicants  
Registration No. 42,473

Date: Sept. 29, 2003

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Atty. Docket: 1700.0340001/BJD/SJE

**First Supplemental Information Disclosure Statement**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98. This First Supplemental Information Disclosure Statement is supplemental to Applicants' Information Disclosure Statement (IDS) filed herewith. A copy of each of these documents is provided.

In accordance with 37 C.F.R. § 1.98(a)(3), Applicants' undersigned representative submits the following concise explanation of the relevance of the non-English language document, Document **AP3** cited on Form PTO-1449:

Document **AP3**, WO 94/06472 A1, is in the French language. The relevance of Document **AP3** can be ascertained by reference to the English language abstract appearing therein, and an unverified English language abstract attached as Document **AR94**.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered. This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist.

This First Supplemental Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits. No statement or fee is required.

Consideration of the cited documents and making the same of record in the prosecution of the above-identified application is respectfully requested. The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

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Brian J. Del Buono  
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FORM PTO-1449

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1700.0340001/BJD/SJEAPPLICATION NO.  
10/622,124APPLICANT  
BACHMANN et al.FILING DATE  
July 18, 2003GROUP  
To be assigned**U.S. PATENT DOCUMENTS**

| EXAMINER<br>INITIAL |    | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
|                     | AA |                 |      |      |       |           |             |
|                     | AB |                 |      |      |       |           |             |
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**FOREIGN PATENT DOCUMENTS**

| EXAMINER<br>INITIAL |     | DOCUMENT NUMBER | DATE       | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|-----|-----------------|------------|---------|-------|-----------|-------------|
|                     | AL  |                 |            |         |       |           | Yes<br>No   |
|                     | AM  |                 |            |         |       |           | Yes<br>No   |
|                     | AN3 | EP 0 259 149 B1 | 12/15/1993 | Europe  |       |           | Yes<br>No   |
|                     | AO3 | EP 0 385 610 B1 | 03/16/1994 | Europe  |       |           | Yes<br>No   |
|                     | AP3 | WO 94/06472 A1  | 03/31/1994 | WIPO    |       |           | Yes<br>X No |

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

|  |    |    |  |
|--|----|----|--|
|  | AR |    |  |
|  | AS | 80 | Baba, T.W., et al., "Pathogenicity of Live, Attenuated SIV After Mucosal Infection of Neonatal Macaques," <i>Science</i> 267:1820-1825, American Association for the Advancement of Science (1995)   |
|  | AT | 80 | Bachmann, M.F., et al., "Dendritic cells process exogenous viral proteins and virus-like particles for class I presentation to CD8 <sup>+</sup> cytotoxic T lymphocytes," <i>Eur. J. Immunol.</i> 26:2595-2600, VCH Verlagsgesellschaft mbH (1996) |

EXAMINER

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|---------------------|-----|-----------------|------------|---------|-------|-----------|-------------|
|                     | AL4 | EP 0 465 081 B1 | 04/20/1994 | Europe  |       |           | Yes<br>No   |
|                     | AM4 | EP 0 283 505 B1 | 07/06/1994 | Europe  |       |           | Yes<br>No   |
|                     | AN4 | WO 94/15585 A1  | 07/21/1994 | WIPO    |       |           | Yes<br>No   |
|                     | AO4 | EP 0 425 082 B1 | 04/26/1995 | Europe  |       |           | Yes<br>No   |
|                     | AP4 | WO 96/05293 A1  | 02/22/1996 | WIPO    |       |           | Yes<br>No   |

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

|  |    |           |  |
|--|----|-----------|--|
|  | AR | <u>81</u> | Boorsma, M., et al., "A temperature-regulated replicon-based DNA expression system," <i>Nat. Biotechnol.</i> 18:429-432, Nature America, Inc. (April 2000)   |
|  | AS | <u>81</u> | Borisova, G., et al., "Hybrid Hepatitis B Virus Nucleocapsid Bearing an Immunodominant Region from Hepatitis B Virus Surface Antigen," <i>J. Virol.</i> 67:3696-3701, American Society for Microbiology (1993) |
|  | AT | <u>81</u> | Cesareni, G., "Peptide display on filamentous phage capsids: A new powerful tool to study protein-ligand interaction," <i>FEBS Lett.</i> 307:66-70, Elsevier Science Publishers B.V. (1992)                    |

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| FORM PTO-1449<br><br>FIRST SUPPLEMENTAL<br>INFORMATION DISCLOSURE STATEMENT | ATTY. DOCKET NO.<br>1700.0340001/BJD/SJE | APPLICATION NO.<br>10/622,124 |
|   | APPLICANT<br>BACHMANN et al.             |                               |
|   | FILING DATE<br>July 18, 2003             | GROUP<br>To be assigned       |

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|--------------------------|-----|---------------------|------------|---------|-------|-----------|-------------|
| EXAMINER INITIAL         |     | DOCUMENT NUMBER     | DATE       | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|                          | AL5 | WO 99/07839 A2 & A3 | 02/18/1999 | WIPO    |       |           | Yes<br>No   |
|                          | AM5 | WO 99/40934 A1      | 08/19/1999 | WIPO    |       |           | Yes<br>No   |
|                          | AN5 | WO 99/67293 A1      | 12/29/1999 | WIPO    |       |           | Yes<br>No   |
|                          | AO  |                     |            |         |       |           | Yes<br>No   |
|                          | AP  |                     |            |         |       |           | Yes<br>No   |

| OTHER (Including Author, Title, Date, Pertinent Pages, etc.) |    |  |  |
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| AR   | 82 | Connor, R.I.; et al., "Immunological and Virological Analyses of Persons Infected by Human Immunodeficiency Virus Type 1 while Participating in Trials of Recombinant gp120 Subunit Vaccines," <i>J. Virol.</i> 72:1552-1576, American Society for Microbiology (1998)                                       |  |
| AS   | 82 | Cramer, R. and Suter, M., "Display of biologically active proteins on the surface of filamentous phages: a cDNA cloning system for selection of functional gene products linked to the genetic information responsible for their production," <i>Gene</i> 137:69-75, Elsevier Science Publishers B.V. (1993) |  |
| AT   | 82 | Daniel, M.D., et al., "Protective Effects of a Live Attenuated SIV Vaccine with a Deletion in the nef Gene," <i>Science</i> 258:1938-1941, American Association for the Advancement of Science (1992)  |  |

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|                          | AL |                 |      |         |       |           | Yes<br>No   |
|                          | AM |                 |      |         |       |           | Yes<br>No   |
|                          | AN |                 |      |         |       |           | Yes<br>No   |
|                          | AO |                 |      |         |       |           | Yes<br>No   |
|                          | AP |                 |      |         |       |           | Yes<br>No   |

| OTHER (Including Author, Title, Date, Pertinent Pages, etc.) |           |   |  |
|--|-----------|---|--|
| AR   | <u>83</u> | de la Cruz, V.F., et al., "Immunogenicity and Epitope Mapping of Foreign Sequences via Genetically Engineered Filamentous Phage," <i>J. Biol. Chem.</i> 263:4318-4322, The American Society for Biochemistry and Molecular Biology, Inc. (1988)                                   |  |
| AS   | <u>83</u> | Donnelly, J.J., et al., "DNA Vaccines," <i>Annu. Rev. Immunol.</i> 15:617-648, Annual Reviews, Inc. (1997)  |  |
| AT   | <u>83</u> | Ebina, S., et al., "Chemical Modification of Bovine Pancreatic Trypsin Inhibitor for Single Site Coupling of Immunogenic Peptides for NMR Conformational Analysis," <i>J. Biol. Chem.</i> 264:7882-7888, The American Society for Biochemistry and Molecular Biology, Inc. (1989) |  |

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|                     | AO |                 |      |         |       |           | Yes<br>No   |
|                     | AP |                 |      |         |       |           | Yes<br>No   |

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

|  |    |           |   |
|--|----|-----------|---|
|  | AR | <u>84</u> | Esposito, G., <i>et al.</i> , "Conformational study of a short <i>Pertussis</i> toxin T cell epitope incorporated in a multiple antigen peptide template by CD and two-dimensional NMR: Analysis of the structural effects on the activity of synthetic immunogens," <i>Eur. J. Biochem.</i> 217:171-187, Blackwell Science Ltd. on behalf of the Federation of European Biochemical Societies (1993) |
|  | AS | <u>84</u> | Förster, E., <i>et al.</i> , "Natural and recombinant enzymatically active or inactive bee venom phospholipase A <sub>2</sub> has the same potency to release histamine from basophils in patients with Hymenoptera allergy," <i>J. Allergy Clin. Immunol.</i> 95:1229-1235, Mosby-Year Book, Inc. (1995)   |
|  | AT | <u>84</u> | Frolov, I., <i>et al.</i> , "Alphavirus-based expression vectors: Strategies and applications," <i>Proc. Natl. Acad. Sci. USA</i> 93:11371-11377, National Academy Press (1996)   |

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|                     | AO |                 |      |         |       |           | Yes<br>No   |
|                     | AP |                 |      |         |       |           | Yes<br>No   |

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

|  |    |           |   |
|--|----|-----------|---|
|  | AR | <u>85</u> | Gilbert, S.C., et al., "A protein particle vaccine containing multiple malaria epitopes," <i>Nat. Biotechnol.</i> 15:1280-1284, Nature America Publishing (1997)  |
|  | AS | <u>85</u> | Greenstone, H.L., et al., "Chimeric paillomavirus virus-like particles elicit antitumor immunity against the E7 oncoprotein in an HPV16 tumor model," <i>Proc. Natl. Acad. Sci. USA</i> 95:1800-1805, National Academy Press (1998) |
|  | AT | <u>85</u> | Hahn, C.S., et al., "Infectious Sindbis virus transient expression vectors for studying antigen processing and presentation," <i>Proc. Natl. Acad. Sci. USA</i> 89:2679-2683, National Academy Press (1992)                         |

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|--|----|-----------|---|
|  | AR | <u>86</u> | Harding, C.V., and Song, R., "Phagocytic Processing of Exogenous Particulate Antigens by Macrophages for Presentation by Class I MHC Molecules," <i>J. Immunol.</i> 153:4925-4933, The American Association of Immunologists (1994) |
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|                     | AN |                 |      |         |       |           | Yes<br>No   |
|                     | AO |                 |      |         |       |           | Yes<br>No   |
|                     | AP |                 |      |         |       |           | Yes<br>No   |

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|   | APPLICANT<br>BACHMANN et al.             |                               |
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|   | APPLICANT<br>BACHMANN et al.             |                               |
|   | FILING DATE<br>July 18, 2003             | GROUP<br>To be assigned       |

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|                     | AP |                 |      |         |       |           | Yes<br>No   |

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|                  | AL1 | WO 92/11291 A1  | 07/09/1992 | WIPO    |       |           | Yes<br>No   |
|                  | AM1 | WO 96/30523 A2  | 10/03/1996 | WIPO    |       |           | Yes<br>No   |
|                  | AN1 | WO 97/31948 A1  | 09/04/1997 | WIPO    |       |           | Yes<br>No   |
|                  | AO1 | WO 98/15631 A1  | 04/16/1998 | WIPO    |       |           | Yes<br>No   |
|                  | AP1 | WO 00/32227 A2  | 06/08/2000 | WIPO    |       |           | Yes<br>No   |

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

|  |    |          |  |
|--|----|----------|--|
|  | AR | <u>1</u> | Abraham, J.M., et al., "An invertible element of DNA controls phase variation of type 1 fimbriae of <i>Escherichia coli</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 82:5724-5727, National Academy Press (1985)       |
|  | AS | <u>1</u> | Abraham, S.N., et al., "Glycerol-Induced Unraveling of the Tight Helical Conformation of <i>Escherichia coli</i> Type 1 Fimbriae," <i>J. Bacteriol.</i> 174:5145-5148, American Society for Microbiology (1992)    |
|  | AT | <u>1</u> | Adhin, M.R., et al., "Nucleotide Sequence from the ssRNA Bacteriophage JP34 Resolves the Discrepancy between Serological and Biophysical Classification," <i>Virology</i> 170:238-242, Academic Press, Inc. (1989) |

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|---------------------|-----|-----------------|------------|-----------------------|-------|---------------|-------------|
|                     | AA2 | 5,792,462       | 08/11/1998 | Johnston et al.       |       |               | 05/23/1995  |
|                     | AB2 | 5,814,482       | 09/29/1998 | Dubensky, Jr. et al.  |       |               | 10/30/1996  |
|                     | AC2 | 5,871,747       | 02/16/1999 | Gengoux-Sedlik et al. |       |               | 04/28/1995  |
|                     | AD2 | 5,928,647       | 07/27/1999 | Rock                  |       |               | 09/15/1995  |
|                     | AE2 | 6,004,763       | 12/21/1999 | Gengoux et al.        |       |               | 05/12/1998  |
|                     | AF2 | 6,054,312       | 04/25/2000 | Larocca et al.        |       |               | 08/29/1997  |
|                     | AG2 | 6,231,864 B1    | 05/15/2001 | Birkett               |       |               | 02/11/1999  |
|                     | AH2 | 6,380,364 B1    | 04/30/2002 | Mueller et al.        |       |               | 10/06/1999  |
|                     | AI2 | 2002/0064533 A1 | 05/30/2002 | Murray                |       |               | 06/04/2001  |
|                     | AJ2 | 2002/0081295 A1 | 06/27/2002 | Schiller et al.       |       |               | 04/13/2001  |
|                     | AK  |                 |            |                       |       |               |             |

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|---------------------|-----|--------------------|------------|---------|-------|---------------|-------------|
|                     | AL2 | WO 00/59928 A1     | 10/12/2000 | WIPO    |       |               | Yes<br>No   |
|                     | AM2 | WO 00/23955 A1     | 04/27/2000 | WIPO    |       |               | Yes<br>No   |
|                     | AN2 | WO 01/62284 A2     | 08/30/2001 | WIPO    |       |               | Yes<br>No   |
|                     | AO2 | WO 01/85208 A2     | 11/15/2001 | WIPO    |       |               | Yes<br>No   |
|                     | AP2 | WO 99/28478 A1     | 06/10/1999 | WIPO    |       |               | Yes<br>No   |

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|--|----|----------|--|
|  | AR | <u>2</u> | Aguzzi, A., "Prion diseases, blood and the immune system: concerns and reality," <i>Haematologica</i> 85:3-10, Il Pensiero Scientifico Editore (January 2000)  |
|  | AS | <u>2</u> | Ansel, K.M., et al., "In Vivo-activated CD4 T Cells Upregulate CXC Chemokine Receptor 5 and Reprogram Their Response to Lymphoid Chemokines," <i>J. Exp. Med.</i> 190:1123-1134, The Rockefeller University Press (1999) |
|  | AT | <u>2</u> | Ansel, K.M., et al., "A chemokine-driven positive feedback loop organizes lymphoid follicles," <i>Nature</i> 406:309-314, Nature Publishing Group (July 2000)  |

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|---------------------|-----|---------------------|------------|---------|-------|---------------|-------------|
|                     | AL3 | WO 99/57289 A2 & A3 | 11/11/1999 | WIPO    |       |               | Yes<br>No   |
|                     | AM3 | WO 00/50461 A1      | 08/31/2000 | WIPO    |       |               | Yes<br>No   |
|                     | AN  |                     |            |         |       |               | Yes<br>No   |
|                     | AO  |                     |            |         |       |               | Yes<br>No   |
|                     | AP  |                     |            |         |       |               | Yes<br>No   |

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|--|----|----------|---|
|  | AR | <u>3</u> | Antonyamy, M.A., et al., "Evidence for a Role of IL-17 in Organ Allograft Rejection: IL-17 Promotes the Functional Differentiation of Dendritic Cell Progenitors," <i>J. Immunol.</i> 162:577-584, The American Association of Immunologists (1999) |
|  | AS | <u>3</u> | Arenberg, D.A., et al., "The murine CC chemokine, 6C-kine, inhibits tumor growth and angiogenesis in a human lung cancer SCID mouse model," <i>Cancer Immunol. Immunother.</i> 49:587-592, Springer-Verlag (January 2001)                           |
|  | AT | <u>3</u> | Arnon, R., et al., "A mimotope peptide-based vaccine against <i>Schistosoma mansoni</i> : synthesis and characterization," <i>Immunology</i> 101:555-562, Blackwell Science, Ltd. (December 2000)   |

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| FORM PTO-1449<br><br><b>INFORMATION DISCLOSURE STATEMENT</b> | ATTY. DOCKET NO.<br>1700.0340001/BJD/SJE | APPLICATION NO.<br>10/622,124 |
| APPLICANT<br>BACHMANN et al.                                 |  |                               |
| FILING DATE<br>July 18, 2003                                 |  | GROUP<br>To be assigned       |

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| EXAMINER INITIAL         |    | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|                          | AL |                 |      |         |       |           | Yes<br>No   |
|                          | AM |                 |      |         |       |           | Yes<br>No   |
|                          | AN |                 |      |         |       |           | Yes<br>No   |
|                          | AO |                 |      |         |       |           | Yes<br>No   |
|                          | AP |                 |      |         |       |           | Yes<br>No   |

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|  | AR | <u>4</u> | Bachmann, M.F., and Zinkernagel, R.M., "The influence of virus structure on antibody responses and virus serotype formation," <i>Immunol. Today</i> 17:553-558, Elsevier Science, Ltd. (1996)                     |
|  | AS | <u>4</u> | Bachmann, M.F., and Zinkernagel, R.M., "Neutralizing Antiviral B Cell Responses," <i>Annu. Rev. Immunol.</i> 15:235-270, Annual Reviews, Inc. (1997)  |
|  | AT | <u>4</u> | Bachmann, M.F., et al., "TRANCE, a Tumor Necrosis Factor Family Member Critical for CD40 Ligand-independent T Helper Cell Activation," <i>J. Exp. Med.</i> 189:1025-1031, The Rockefeller University Press (1999) |

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|                     | AL |                    |      |         |       |               | Yes<br>No   |
|                     | AM |                    |      |         |       |               | Yes<br>No   |
|                     | AN |                    |      |         |       |               | Yes<br>No   |
|                     | AO |                    |      |         |       |               | Yes<br>No   |
|                     | AP |                    |      |         |       |               | Yes<br>No   |

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

|  |    |          |   |
|--|----|----------|---|
|  | AR | <u>5</u> | Banerjee, R.R., and Lazar, M.A., "Dimerization of Resistin and Resistin-like Molecules Is Determined by a Single Cysteine," <i>J. Biol. Chem.</i> 276:25970-25973, The American Society for Biochemistry and Molecular Biology, Inc. (July 2001)          |
|  | AS | <u>5</u> | Bard, F. et al., "Peripherally administered antibodies against amyloid $\beta$ -peptide enter the central nervous system and reduce pathology in a mouse model of Alzheimer disease," <i>Nat. Med.</i> 6:916-919, Nature Publishing Company (August 2000) |
|  | AT | <u>5</u> | Bass, S., and Yang, M., "Expressing cloned genes in <i>Escherichia coli</i> ," in <i>Protein Function: A Practical Approach</i> , 2nd ed., Creighton, T.E., ed., IRL Press, Oxford, Great Britain, pp. 29-55 (1997)                                       |

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|                     | AL |                    |      |         |       |               | Yes<br>No   |
|                     | AM |                    |      |         |       |               | Yes<br>No   |
|                     | AN |                    |      |         |       |               | Yes<br>No   |
|                     | AO |                    |      |         |       |               | Yes<br>No   |
|                     | AP |                    |      |         |       |               | Yes<br>No   |

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

|  |    |          |  |
|--|----|----------|--|
|  | AR | <u>6</u> | Bernhagen, J., et al., "Purification, Bioactivity, and Secondary Structure Analysis of Mouse and Human Macrophage Migration Inhibitory Factor (MIF)," <i>Biochemistry</i> 33:14144-14155, American Chemical Society (1994) |
|  | AS | <u>6</u> | Biaselle, C.J., and Millar, D.B., "Studies on Triton X-100 detergent micelles," <i>Biophys. Chem.</i> 3:355-361, North-Holland Publishing Company (1975)   |
|  | AT | <u>6</u> | Bleul, C.C., et al., "The lymphocyte chemoattractant SDF-1 is a ligand for LESTR/fusin and blocks HIV-1 entry," <i>Nature</i> 382:829-833, Nature Publishing Group (1996)  |

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|                     | AL |                    |      |         |       |               | Yes<br>No   |
|                     | AM |                    |      |         |       |               | Yes<br>No   |
|                     | AN |                    |      |         |       |               | Yes<br>No   |
|                     | AO |                    |      |         |       |               | Yes<br>No   |
|                     | AP |                    |      |         |       |               | Yes<br>No   |

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|  |    |   |   |
|--|----|---|---|
|  | AR | 2 | Blomfield, I.C., et al., "Type 1 Fimbriation and <i>fimE</i> Mutants of <i>Escherichia coli</i> K-12," <i>J. Bacteriol.</i> 173:5298-5307, American Society for Microbiology (1991)   |
|  | AS | 2 | Blomfield, I.C., et al., "Integration host factor stimulates both FimB- and FimE-mediated site-specific DNA inversion that controls phase variation of type 1 fimbriae expression in <i>Escherichia coli</i> ," <i>Mol. Microbiol.</i> 23:705-717, Blackwell Science, Ltd. (1997) |
|  | AT | 2 | Boder, E.T., and Wittrup, K.D., "Yeast Surface Display for Directed Evolution of Protein Expression, Affinity, and Stability," <i>Methods Enzymol.</i> 328:430-444, Academic Press (October 2000)   |

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|                     | AM |                    |      |         |       |               | Yes<br>No   |
|                     | AN |                    |      |         |       |               | Yes<br>No   |
|                     | AO |                    |      |         |       |               | Yes<br>No   |
|                     | AP |                    |      |         |       |               | Yes<br>No   |

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|--|----|----------|---|
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|  | AS | <u>8</u> | Brandner, S., et al., "A crucial role for B cells in neuroinvasive scrapie," <i>Transfus. Clin. Biol.</i> 6:17-23, Elsevier, Paris (1999)   |
|  | AT | <u>8</u> | Brinton, Jr., C.C., "The structure, function, synthesis and genetic control of bacterial pili and a molecular model for DNA and RNA transport in gram negative bacteria," <i>Trans. N.Y. Acad. Sci.</i> 27:1003-1054, New York Academy of Sciences (1965) |

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|                     | AE |                    |      |      |       |               |             |
|                     | AF |                    |      |      |       |               |             |
|                     | AG |                    |      |      |       |               |             |
|                     | AH |                    |      |      |       |               |             |
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|                     | AJ |                    |      |      |       |               |             |
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|                     | AM |                    |      |         |       |               | Yes<br>No   |
|                     | AN |                    |      |         |       |               | Yes<br>No   |
|                     | AO |                    |      |         |       |               | Yes<br>No   |
|                     | AP |                    |      |         |       |               | Yes<br>No   |

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|  |    |          |  |
|--|----|----------|--|
|  | AR | <u>2</u> | Brown, K.D., et al., "A family of small inducible proteins secreted by leukocytes are members of a new superfamily that includes leukocyte and fibroblast-derived inflammatory agents, growth factors, and indicators of various activation processes," <i>J. Immunol.</i> 142:679-687, The American Association of Immunologists (1989) |
|  | AS | <u>2</u> | Brown, P.M., et al., "A Single-Step Purification of Biologically Active Recombinant Human Interleukin-5 from a Baculovirus Expression System," <i>Protein Expr. Purif.</i> 6:63-71, Academic Press, Inc. (1995)  |
|  | AT | <u>2</u> | Brown, K.L., et al., "Scrapie replication in lymphoid tissues depends on prion protein-expressing follicular dendritic cells," <i>Nat. Med.</i> 11:1308-1312, Nature Publishing Company (1999)   |

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|                     | AO |                    |      |         |       |               | Yes<br>No   |
|                     | AP |                    |      |         |       |               | Yes<br>No   |

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

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|--|----|-----------|--|
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|  | AT | <u>14</u> | Crump, M.P., et al., "Solution Structure of Eotaxin, a Chemokine That Selectively Recruits Eosinophils in Allergic Inflammation," <i>J. Biol. Chem.</i> 273:22471-22479, The American Society for Biochemistry and Molecular Biology, Inc. (1998)         |

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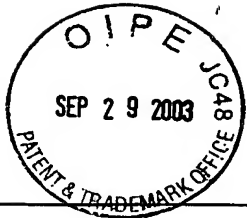
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10/622,124

APPLICANT  
BACHMANN et al.

FILING DATE  
July 18, 2003

GROUP  
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## U.S. PATENT DOCUMENTS

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|---------------------|----|--------------------|------|---------|-------|---------------|-------------|
|                     | AL |                    |      |         |       |               | Yes<br>No   |
|                     | AM |                    |      |         |       |               | Yes<br>No   |
|                     | AN |                    |      |         |       |               | Yes<br>No   |
|                     | AO |                    |      |         |       |               | Yes<br>No   |
|                     | AP |                    |      |         |       |               | Yes<br>No   |

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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| FORM PTO-1449<br><br><u>INFORMATION DISCLOSURE STATEMENT</u> | ATTY. DOCKET NO.<br>1700.0340001/BJD/SJE | APPLICATION NO.<br>10/622,124 |
| APPLICANT<br>BACHMANN et al.                                 |  |                               |
| FILING DATE<br>July 18, 2003                                 |  | GROUP<br>To be assigned       |

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|                          | AL |                 |      |         |       |           | Yes<br>No   |
|                          | AM |                 |      |         |       |           | Yes<br>No   |
|                          | AN |                 |      |         |       |           | Yes<br>No   |
|                          | AO |                 |      |         |       |           | Yes<br>No   |
|                          | AP |                 |      |         |       |           | Yes<br>No   |

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|  | AS | <u>21</u> | Gally, D.L., et al., "Environmental Regulation of the <i>fim</i> Switch Controlling Type 1 Fimbrial Phase Variation in <i>Escherichia coli</i> K-12: Effects of Temperature and Media," <i>J. Bacteriol.</i> 175:6186-6193, American Society for Microbiology (1993) |
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|  | AS | <u>23</u> | Hanson, M.S., et al., "Purification of the <i>Escherichia coli</i> Type 1 Pilin and Minor Pilus Proteins and Partial Characterization of the Adhesin Protein," <i>J. Bacteriol.</i> 170:3350-3358, American Society for Microbiology (1988) |
|  | AT | <u>23</u> | Hanson, M.S., and Brinton, Jr., C.C., "Identification and characterization of <i>E. coli</i> type-1 pilus tip adhesion protein," <i>Nature</i> 332:265-268, Nature Publishing Group (1988)  |

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|                     | AN |                    |      |         |       |               | Yes<br>No   |
|                     | AO |                    |      |         |       |               | Yes<br>No   |
|                     | AP |                    |      |         |       |               | Yes<br>No   |

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|  | AT | <u>24</u> | Hedrick, J.A., and Zlotnik, A., "Identification and Characterization of a Novel $\beta$ Chemokine Containing Six Conserved Cysteines," <i>J. Immunol.</i> 159: 1589-1593, The American Association of Immunologists (1997) |

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|  | AT | <u>26</u> | Hultgren, S.J., et al., "The PapG adhesin of uropathogenic <i>Escherichia coli</i> contains separate regions for receptor binding and for the incorporation into the pilus," <i>Proc. Nat. Acad. Sci. USA</i> 86:4357-4361, National Academy Press (1989) |

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|                     | AL |                    |      |         |       |               | Yes<br>No   |
|                     | AM |                    |      |         |       |               | Yes<br>No   |
|                     | AN |                    |      |         |       |               | Yes<br>No   |
|                     | AO |                    |      |         |       |               | Yes<br>No   |
|                     | AP |                    |      |         |       |               | Yes<br>No   |

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|                     | AL |                    |      |         |       |               | Yes<br>No   |
|                     | AM |                    |      |         |       |               | Yes<br>No   |
|                     | AN |                    |      |         |       |               | Yes<br>No   |
|                     | AO |                    |      |         |       |               | Yes<br>No   |
|                     | AP |                    |      |         |       |               | Yes<br>No   |

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|                     | AP |                    |      |         |       |               | Yes<br>No   |

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|                     | AL |                    |      |         |       |               | Yes<br>No   |
|                     | AM |                    |      |         |       |               | Yes<br>No   |
|                     | AN |                    |      |         |       |               | Yes<br>No   |
|                     | AO |                    |      |         |       |               | Yes<br>No   |
|                     | AP |                    |      |         |       |               | Yes<br>No   |

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|  |    |           |   |
|--|----|-----------|---|
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|                     | AO |                    |      |         |       |               | Yes<br>No   |
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|                     | AL |                    |      |         |       |               | Yes<br>No   |
|                     | AM |                    |      |         |       |               | Yes<br>No   |
|                     | AN |                    |      |         |       |               | Yes<br>No   |
|                     | AO |                    |      |         |       |               | Yes<br>No   |
|                     | AP |                    |      |         |       |               | Yes<br>No   |

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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.  
1700.0340001/BJD/SJE

APPLICATION NO.  
10/622,124

APPLICANT  
BACHMANN *et al.*

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|                     | AO |                    |      |         |       |               | Yes<br>No   |
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## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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|--|----|-----------|---|
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|                     | AN |                    |      |         |       |               | Yes<br>No   |
|                     | AO |                    |      |         |       |               | Yes<br>No   |
|                     | AP |                    |      |         |       |               | Yes<br>No   |

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

|  |    |           |   |
|--|----|-----------|---|
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|                     | AL |                    |      |         |       |               | Yes<br>No   |
|                     | AM |                    |      |         |       |               | Yes<br>No   |
|                     | AN |                    |      |         |       |               | Yes<br>No   |
|                     | AO |                    |      |         |       |               | Yes<br>No   |
|                     | AP |                    |      |         |       |               | Yes<br>No   |

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|                     | AO |                    |      |         |       |               | Yes<br>No   |
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|                     | AL |                    |      |         |       |               | Yes<br>No   |
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|                     | AO |                    |      |         |       |               | Yes<br>No   |
|                     | AP |                    |      |         |       |               | Yes<br>No   |

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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INFORMATION DISCLOSURE STATEMENT

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APPLICATION NO.  
10/622,124

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| EXAMINER<br>INITIAL |    | DOCUMENT<br>NUMBER | DATE | COUNTRY | CLASS | SUB-<br>CLASS | TRANSLATION |
|---------------------|----|--------------------|------|---------|-------|---------------|-------------|
|                     | AL |                    |      |         |       |               | Yes<br>No   |
|                     | AM |                    |      |         |       |               | Yes<br>No   |
|                     | AN |                    |      |         |       |               | Yes<br>No   |
|                     | AO |                    |      |         |       |               | Yes<br>No   |
|                     | AP |                    |      |         |       |               | Yes<br>No   |

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

|  |    |    |   |
|--|----|----|---|
|  | AR | 69 | Topchieva, I., and Karezin, K., "Self-Assembled Supramolecular Micellar Structures Based on Non-ionic Surfactants and Cyclodextrins," <i>J. Colloid Interface Sci.</i> 213:29-35, Academic Press (1999) |
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| ATTY. DOCKET NO.<br>1700.0340001/BJD/SJE | APPLICATION NO.<br>10/622,124 |
| APPLICANT<br>BACHMANN et al.             |                               |
| FILING DATE<br>July 18, 2003             | GROUP<br>To be assigned       |

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| EXAMINER INITIAL         |    | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|                          | AL |                 |      |         |       |           | Yes<br>No   |
|                          | AM |                 |      |         |       |           | Yes<br>No   |
|                          | AN |                 |      |         |       |           | Yes<br>No   |
|                          | AO |                 |      |         |       |           | Yes<br>No   |
|                          | AP |                 |      |         |       |           | Yes<br>No   |

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|  |    |    |   |
|--|----|----|---|
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|                     | AO |                    |      |         |       |               | Yes<br>No   |
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|                     | AO |                    |      |         |       |               | Yes<br>No   |
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